



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Ranjan RAY et al.

Serial No.: 10/624,497

Filed: July 23, 2003

For: CASTINGS OF METALLIC ALLOYS WITH IMPROVED SURFACE QUALITY, STRUCTURAL INTEGRITY AND MECHANICAL IN REFRACTORY METALS AND REFRACTORY METAL CARBIDES COATED GRAPHITE MOLDS UNDER VACUUM

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to Rules 56 and 98, Applicants hereby call the attention of the Patent Office to the references listed on the attached Form PTO 1449.

Applicants present these references so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rule 104. Applicants respectfully request that these references be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

Date: Aug. 25, 2004

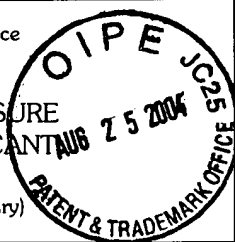
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FORM PTO-1449 U.S. Department of Commerce
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2	9	7	7	2	2	2	03/61	Bieber			
		3	2	4	1	2	0	0	03/66	Lirones			
		3	2	4	3	7	3	3	03/66	Hosman			
		3	2	6	5	5	7	4	08/66	Scolari			
		3	2	6	6	1	0	6	08/66	Lirones			
		3	2	9	6	6	6	6	01/67	Lirones			
		3	2	5	7	6	9	2	06/66	Operhall			
		3	3	2	1	0	0	5	05/67	Lirones			
		3	3	8	9	7	4	3	06/68	Morozov et al.			
		3	4	8	5	2	8	8	12/69	Zusman et al.			
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		4	2	2	6	9	0	0	10/80	Carlson et al.			
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		5	7	0	5	1	3	9	01/98	Stiller et al.			

EXAMINER

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	3 2 5 6 5 7 4	06/66	Lirones			
	3 4 9 2 1 9 7	01/70	Olstowski et al.			
	3 8 0 2 9 0 2	04/74	Turner, Jr. et al.			
	5 4 3 9 7 4 4	08/95	Claar et al.			
	6 1 1 3 9 8 2	09/00	Claar et al.			
	6 2 5 0 3 6 6	06/01	Choudhury et al.			
	6 3 6 0 8 0 9	03/02	Cornie et al.			
	6 4 0 8 9 2 9	06/02	Choudhury et al.			
	6 5 7 2 8 1 5	06/03	Ju et la.			
	6 6 3 4 4 1 3	10/03	Ray et al.			
	6 7 0 5 3 8 5	03/04	Ray et al.			
	6 7 5 5 2 3 9	06/04	Ray et al.			
	6 7 7 6 2 1 4	08/04	Ray et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
6 0 0 4 0 6 4 4	03/85	JP			Abstract Only	
5 5 1 4 9 7 4 7	11/80	JP			Abstract Only	
1 3 0 6 6 4 1	04/87	SU				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

US Published Patent Application No. 2004/0003913 A1, (Ser. No. 10/143,920), Ray et al., filed May 14, 2002, published January 8, 2004.
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		5	1	6	3	4	9	8	11/92	Kantner et al.			
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		3	5	6	7	8	9	6	03/71	Chang			
		4	0	0	5	1	6	3	01/77	Bokros			
		4	7	6	1	2	7	2	08/88	Hucke			
		5	9	2	4	4	7	0	07/99	Costilla-Vela et al.			
		5	9	6	4	0	9	1	10/99	Fukui et al.			
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		5	1	7	6	7	6	2	01/93	Berczik			
		5	4	8	9	4	1	1	02/96	Jha et al.			
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		3	7	8	1	1	5	8	12/73	Leghorn			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

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